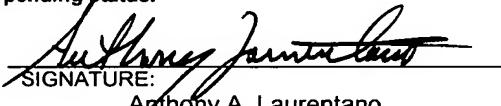


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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER TAW-012US
INTERNATIONAL APPLICATION NO. PCT/JP2003/010068	INTERNATIONAL FILING DATE 7 August 2003	PRIORITY DATE CLAIMED 8 August 2002
TITLE OF INVENTION MOLECULAR-ORIENTED POLYMER GEL AND CAST FILM WITH SELF-ORGANIZABLE AMPHIPHILIC COMPOUND AS TEMPLATE, AND THEIR PRODUCTION METHODS		
APPLICANT(S) FOR DO/EO/US Nobuo KIMIZUKA et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))</p> <p>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (30 sheets).</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98(2 sheets) with Form PTO/SB/08 and 2 ref.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment (7 sheets).</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76 (3 sheets).</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: PCT International Published Application (WO 2004/014965 A1) (with International Search Report attached) (33 sheets); An English language translation of the amendments under PCT Article 34 (8 sheets); Certificate of Express Mailing (1 sheet); and Return Postcard.</p>		

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U.S. APPLICATION NO. (if known, see 37 CFR 1.15) NEW APPLICATION 104724079		INTERNATIONAL APPLICATION NO. PCT/JP2003/010068	ATTORNEY'S DOCKET NUMBER TAW-012US	
The following fees have been submitted			CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee \$300			\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) \$100 All other situations \$200				
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared and provided to the Office \$400 All other situations \$500			\$ 200.00	
TOTAL OF 21, 22 and 23 =			\$ 1,000.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	
- 100 =	/50 =		x \$250.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).			\$ 130.00	
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE
Total claims		21 - 20 =	1	x 50.00
Independent claims		5 - 3 =	2	x 200.00
MULTIPLE DEPENDENT CLAIM(s) (if applicable)			+	\$
TOTAL OF ABOVE CALCULATIONS =			\$ 1,580.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.			\$	
SUBTOTAL =			\$ 1,580.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).			\$	
TOTAL NATIONAL FEE =			\$ 1,580.00	
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property			\$	
TOTAL FEES ENCLOSED =			\$ 1,580.00	
			Amount to be refunded:	\$
			Amount to be charged:	\$
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 12-0080 in the amount of \$ 1,580.00 to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 12-0080. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>				
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.				
SEND ALL CORRESPONDENCE TO:				
 SIGNATURE: Anthony A. Laurentano NAME: _____ REGISTRATION NUMBER: 38,220				
Anthony A. Laurentano LAHIVE & COCKFIELD, LLP 28 State Street Boston, Massachusetts 02109 (617) 227-7400 Date: February 8, 2005				

10/524079

DT01 R PCT/PTC 08 FEB 2005

Application No. (if known): NEW APPLICATION

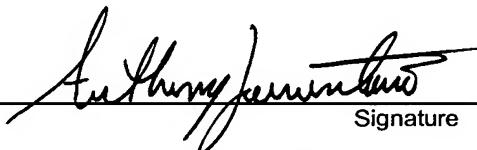
Attorney Docket No.: TAW-012US

Certificate of Express Mailing Under 37 CFR 1.10

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Alexandria, VA 22313-1450

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Signature

Anthony A. Laurentano

Typed or printed name of person signing Certificate

38,220 (617) 227-7400
Registration Number, if applicable Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal Letter (2 sheets in duplicate); Preliminary Amendment (7 sheets); Information Disclosure Statement (2 sheets) with Form PTO/SB/08 (1 sheet) and 2 references; PCT International Published Application (WO 2004/014965 A1) (with International Search Report attached) (33 sheets); English Translation of Application as filed (30 sheets); An English language translation of the amendments under PCT Article 34 (8 sheets); Application Data Sheet (3 sheets); Certificate of Express Mailing (1 sheet); and Return Postcard.